

Lighting Rebate Worksheet Instructions

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These instructions provide a basic overview of how to use the Excel-based Prescriptive and Custom Rebate Worksheets. For information on when to use each type of rebate, see the Rebates Webpage on the Turn-key Industrial Lighting Website. These Excel-based worksheets are designed to be used in conjunction with the PDF rebate worksheets, also provided on the Rebates Webpage.

Overview

Each spreadsheet has three tabs:

- **Information** – The Information tab allows the user to enter in information about the project being undertaken. This includes information about the customer, lighting vendor, and other administrative details.
- **Worksheet** – The Worksheet tab allows the user to enter the details of the existing and replacement lighting technologies. The Worksheet tab summarizes the rebate amount along with demand and energy savings.
- **Codes** – The Codes tab contains the information about the lighting technologies. This list contains different lighting technologies along with their demand, lighting output, and rebate amount. The information from the Codes tab is used in the Worksheet tab. Example values for rebates are provided, but the utility must re-enter rebate amounts on the Codes tab to reflect its rebates amounts. The utility can also customize the contents in the Codes tab to better reflect common existing and new lighting technologies. The user can add additional technologies to the Codes tab by using the Add Existing Lighting Technology and Add Replacement Lighting Technology Buttons below the Replacement Lighting worksheet, see Exhibit 1.

Exhibit 1: Lighting technologies can be added with the buttons below the Replacement Technology worksheet

36	13					
37	14					
38	15					
39	16					
40	17					
41	18					
42	19					
43	20					
44						
45		Add Existing Lighting Technology	Add Replacement Lighting Technology	Total Demand Reduction (kW)	0.00	
46				Unit Rebate (\$/kW)	\$200.00	
47				Total Rebate	\$0.00	
48						
49		Customer Savings Summary				

Steps for Use

The following steps describe the process of completing either the Prescriptive or Custom Rebate Worksheet.

**Note that the blue-shaded cells in the spreadsheet require user inputs, whereas the pink-shaded cells are automatically determined based on the user inputs in the blue-shaded cells.*

1. Obtain a list of existing and replacement technologies for the project being assessed by using the completed PDF rebate worksheets, also provided on the Rebates page.
2. Select the existing lighting technologies for the project. Do this line-by-line by selecting the existing lighting technology from the drop-down lists in the Existing Technology column. Selecting an existing technology from the list automatically enters values into the Watts per Fixture and Lumens per Fixture columns, see Exhibit 2.

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Exhibit 2: Lighting technologies are selected with by using a dropdown

	A	B	C	D	E	F	G	H	I	J
	Fixture ID	Existing Technology					Fixture Quantity	Watts Per Fixture	Lumens per Fixture	Annual Hours of Operation
1										
2	1									
3	2									
4	3									
5	4									
6	5									
7	6									
8	7									

- Enter the number of existing fixtures being replaced in the Fixture Quantity column for each line being completed.
 - Enter the annual number of hours each existing lighting technology is operational in the Annual Hours of Operation column for each line being completed.
 - Select the replacement lighting technologies for the project. For each line and Fixture ID, make sure that the replacement technologies correspond with the existing lighting technologies being replaced. Selecting a replacement technology from the list automatically enters values into the Watts per Fixture and Lumens per Fixture columns for both Prescriptive and Custom Worksheets; this selection also enters a value into the Total Rebate column for the Prescriptive Worksheet.
 - Enter the number of replacement fixtures being installed in the Fixture Quantity column for each line being completed.
 - Once all existing and corresponding replacement lighting technologies are entered, the total rebate amount will be calculated in the Prescriptive Worksheet. For the Custom worksheet, the user must enter the unit rebate in the Unit Rebate cell below the replacement technologies list. Unit rebates are entered in dollars per kilowatt (kW). The default value is \$200/kW. Once the unit rebate is entered, the total rebate is automatically calculated. The total rebate is the amount the customer will be provided for undertaking the project.
- * The worksheet is fully completed by filling details in the Customer Saving Summary section at the bottom of the Worksheet tab. Once the user inputs are entered in this section, the remaining cells in the section will be automatically completed and the accompanying graph will automatically display the payback profile.
- Enter the customer's monthly demand charge in the Monthly Demand Cost column. The monthly demand rate can be found on the customer's electricity bill or on the utility's rate tariff. When using the rate tariff, ensure that you select the demand rate which corresponds to the customer's rate class. These values are entered in dollars per kW-month.
 - Enter the customer's energy charge in the Energy Cost column. The monthly energy rate can be found on the customer's electricity bill or on the utility's rate tariff. When using the rate tariff, ensure that you select the energy rate which corresponds to the customer's rate class. These values are entered in dollars per kWh.
 - Enter the total cost for the lighting project charged to the customer, before rebate in the Cost of Lighting column.